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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/698,215

10/30/2000

Takehiko Ogura

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09/10/2004

McGinn & Gibb, P.C.
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EXAMINER

PARK, CHAN S

ART UNIT

PAPER NUMBER

2622

DATE MAILED: 09/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/698,215

Applicant(s)

OGURA, TAKEHIKO

Examiner

CHAN S PARK

Art Unit

2622

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 October 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 7-10 is/are allowed.
- 6) ☒ Claim(s) 1 is/are rejected.
- 7) ☒ Claim(s) 2-6 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 October 2000 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2, 4 & 5.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Information Disclosure Statement

1. Initialed and dated copies of Applicant's IDS forms 1449, Paper Nos. 2, 4 & 5, are attached to the instant Office action.

Drawings

2. Figures 12-16 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.121(d)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Applicant's Admitted Prior Art of Ogura Japanese Patent Laid-Open Publication No. 10-329369 which was published on 12/15/98.

3. With respect to claim 1, Ogura discloses a printer which draws page data for outputting one page at a time, the page data being edited from line printer output format to a page format based on format information, comprising:

one master board and one or more slave boards (fig. 1) each executing:

pre-editing processing in which a temporary page change position delimiting pages is calculated with the data unedited (pre-editing of the first page by slave board B3 before the editing processing in fig. 16 in the Background of the Specification);

editing processing in which data in a next page following the temporary page change position is edited based on the format information to define an actual page change position (page 2, line 28-29 in the Background of the Specification and paragraph 12 of Ogura) and the temporary page change position is corrected by the actual page change position to define the page data of the next page (page 3, line 12-15 in the Background of the Specification); and

drawing processing in which the page data is drawn (drawing units B8 and B13),

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wherein said master board and slave boards execute the pre-editing processing of the data before the editing processing and the drawing processing (paragraph 11 of Ogura).

Referring to page 3, line 12-15 in the Background of the Specification, the Admitted Prior Art acknowledges that "[a]fter the editing processing is completed, changed information is written back into the format information storage unit B6 or B11 and the editing processing of the next page starts by referring to that information." Moreover, referring to page 2, line 30 – page 3, line 2, it states "[e]dited and *updated* format information and *page change information* are stored in the format information storage unit B6 or B11." Thus, it indicates that the changed format information acts like the actual page change position to define the page data of the next page. Additionally, since the actual page change position replaces the temporary change position's role to provide correct page change information, it is concluded that the page change position is corrected/updated by the actual page change position. Also, since the page change position is updated by the actual page change position, the temporary page change information calculated during the pre-editing processing becomes meaningless.

Allowable Subject Matter

4. Claims 7-10 are allowed.
5. The following is an examiner's statement of reasons for allowance:

The prior art of record do not teach or suggest the limitation for a printer wherein, when a pre-editing unit of a first board completes first pre-editing processing, a pre-editing unit of a second board where none of pre-editing processing, editing processing, and drawing processing is performed starts pre-editing processing in which, even if the first editing processing calculating an actual page change position of a page whose temporary page change position was calculated by the first pre-editing processing is not yet completed, a temporary page change position of a page beginning with the temporary page change position calculated by the first pre-editing processing is calculated.

6. Some of the prior art related to the ink-jet recording apparatus are cited and detailed below which fail to teach the limitation of independent claim 7 as stated above. The most relevant prior art Ogura discloses a printer comprising:

two or more boards, each comprising:

a pre-editing unit which performs pre-editing processing in which, in order to delimit received data into pages, format information is extracted from a start of non-delimited data beginning with the start of the received data and a temporary page change position is calculated, said temporary page change position being a trailing end of a page whose leading end is the start of the non-delimited data;

an editing unit which performs editing processing in which data following the temporary page change position is edited and an actual page change position is calculated to output editing data of pages, said actual page change position being an actual trailing end of the page whose leading end is the temporary page change position; and

a drawing unit which performs drawing processing in which the edited data is drawn and video output data is generated.

However, Ogura fails to teach or suggest the claimed printer wherein, when a pre-editing unit of a first board completes first pre-editing processing, a pre-editing unit of a second board where none of pre-editing processing, editing processing, and drawing processing is performed starts pre-editing processing in which, even if the first editing processing calculating an actual page change position of a page whose temporary page change position was calculated by the first pre-editing processing is not yet completed, a temporary page change position of a page beginning with the temporary page change position calculated by the first pre-editing processing is calculated.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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8. Claims 2-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHAN S PARK whose telephone number is (703) 305-2448. The examiner can normally be reached on M-F 8am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Coles can be reached on (703) 305-4712. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

csp
August 30, 2004

Chan S. Park
Examiner
Art Unit 2622



EDWARD COLES

SUPERVISORY PATENT EXAMINER
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